

**IN THE CLAIMS:**

Please amend claims 1-12, 14-15, and 17-18 as follows.

Please add claim 19 as follows.

1. (Currently Amended) A network name resolving element for performing name resolving in a network system which includes a first network using a first network protocol and a second network using a second network protocol, the network element comprising:

a name resolving unit configured to perform name resolving;

a first connection ~~means for providing~~unit configured to provide a direct connection to the first network;

a second connection ~~means for providing~~unit configured to provide a direct connection to the second network; and

an address translation ~~means for performing~~unit configured to perform address translation between the first network and the second network, and

~~—— a name resolving means for performing name resolving,~~

wherein the name resolving ~~means~~unit and the address translation ~~means~~unit are ~~adapted~~configured to co-operate in order to translate addresses upon performing name resolving.

2. (Currently Amended) The network name resolving element according to claim 1, wherein the network element is a ~~D~~domain Nname Sservice server.

3. (Currently Amended) The network name resolving element according to claim 1, wherein the address translation ~~means~~unit is ~~adapted~~configured to select a particular network address translating element to be used for a connection between a first host in the first network and a second host in the second network, and

wherein the address translation ~~means~~unit is ~~adapted~~configured to add network address translating element information to the resolved address.

4. (Currently Amended) The network name resolving element according to claim 3, wherein the network address translating element information is an address prefix.

5. (Currently Amended) The network name resolving element according to claim 3, wherein the address translation ~~means~~unit is ~~adapted~~configured to select a network address translating element based on information regarding the load on the network address translating element.

6. (Currently Amended) The network name resolving element according to claim 1, wherein the first protocol is Internet Protocol version 6 (IPv6), and the second protocol is Internet Protocol version 4 (IPv4).

7. (Currently Amended) The network name resolving element according to claim 1, wherein the name resolving ~~means~~unit of the network element is ~~adapted~~configured to send a name resolve request to a name resolving element located in the second network.

8. (Currently Amended) A system comprising:  
a network name resolving element according to claim 5 and at least two network address translating elements,  
wherein the network address translating elements are ~~adapted~~configured to send load information to the network element.

9. (Currently Amended) The system according to claim 8, wherein the load information is sent using a Simple Network Management Protocol (~~SNMP~~).

10. (Currently Amended) A method for resolving names in a network system which includes a first network using a first network protocol and a second network using a second network protocol, comprising ~~the steps of:~~

processing a name resolve request to obtain an address; and  
performing address translation between the first and the second network,  
wherein the name resolve request processing ~~step and the step of performing~~  
address translation are performed in a dedicated network name resolving element for  
performing name resolving located in the first network and having direct connections to  
the first network and to the second network.

11. (Currently Amended) The method according to claim 10, wherein the  
network element is a ~~D~~domain ~~N~~name ~~S~~service server.

12. (Currently Amended) The method according to claim 10, wherein the  
address translation ~~translating step~~ comprises ~~the steps of:~~  
selecting a particular address network translating element to be used for a  
connection between a first host (A) in the first network and a second host in the second  
network; and  
adding network address translating element information indicating the selected  
network translating element to the translated address.

13. (Original) The method according to claim 12, wherein the network address  
translating element information is an address prefix.

14. (Currently Amended) The method according to claim 12, wherein in the selecting-step, different network address translating elements are selected based on information regarding the load on the network address translating elements.

15. (Currently Amended) The method according to claim 10, wherein the first network protocol is Internet Protocol version 6 (IPv6), and the second network protocol is Internet Protocol version 4 (IPv4).

16. (Original) The method according to claim 14, further comprising the step of:

sending load information from at least two network address translating elements to the network element.

17. (Currently Amended) The method according to claim 16, wherein the load information is sent using Simple Network Management Protocol (SNMP).

18. (Currently Amended) The method according to claim 10, wherein the name resolve request processing-step comprises the steps of:

forwarding a name resolve request from the first network directly to a network name resolving element in the second network; and

receiving an address from the name resolving element in the second network.

19. (New) A network name resolving element for performing name resolving in a network system which includes a first network using a first network protocol and a second network using a second network protocol, the network name resolving element comprising:

means for performing name resolving,

means for providing a direct connection to the first network;

means for providing a direct connection to the second network; and

means for performing address translation between the first network and the second network;

wherein the means for performing name resolving and the means for performing address translation are configured to co-operate in order to translate addresses upon performing name resolving.